

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date July 3, 2002	Group Art Unit 2183

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>h</i>	AA	5,860,085	01/1999	Stormon et al.			
<i>h</i>	AB	6,052,769	04/2000	Huff et al.			
<i>h</i>	AC	6,934,951	08/2005	Wilkinson, III et al.			
<i>h</i>	AD	7,181,594	02/2007	Wilkinson, III et al.			
<i>h</i>	AE	7,191,309	03/2007	Wolrich et al.			
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>h</i>	AQ	Heuring et al., <i>Computer Systems Design and Architecture</i> , Reading, MA, Addison Wesley Longman, Inc., pp. 69-71, (1997).
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

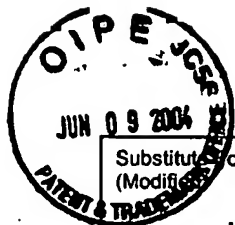
Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No.
	Applicant Gilbert Wolrich et al.		
	Filing Date February 28, 2002	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,812,839	09/22/1998	Hoyt et al.			
	AB	6,009,515	12/28/1999	Steele, Jr.			
	AC	6,076,158	06/13/2000	Sites et al.			
	AD	6,079,014	06/20/2000	Papworth et al.			
	AE	6,115,811	09/05/2000	Steele, Jr.			
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	Chang et al., "Branch Classification: a New Mechanism for Improving Branch Predictor Performance", ACM 1994, pgs 22 - 31
	AR	
	AS	
	AT	

Examiner Signature 	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
2	AA	WO 01/50679	07/12/2001	WIPO				
2	AB	WO 01/50247	07/12/2001	WIPO				
2	AC	WO 01/48619	07/05/2001	WIPO				
2	AD	WO 01/48606	07/05/2001	WIPO				
2	AE	WO 01/48599	07/05/2001	WIPO				
2	AF	WO 01/48596	07/05/2001	WIPO				
2	AG	WO 01/41530	06/14/2001	WIPO				
2	AH	WO 01/16782	03/08/2001	WIPO				
2	AI	WO 01/16770	03/08/2001	WIPO				
2	AJ	WO 01/16769	03/08/2001	WIPO				
2	AK	WO 01/16718	03/08/2001	WIPO				
2	AL	WO 01/15718	03/08/2001	WIPO				
2	AM	WO 97/38372	10/16/1997	WIPO				
2	AN	WO 94/15287	07/07/1994	WIPO				
2	AO	EP 0 809 180	11/26/1997	Europe				
2	AP	EP 0 745 933	12/04/1996	Europe				
2	AQ	EP 0 633 678	01/11/1995	Europe				
2	AR	EP 0 464 715	01/08/1992	Europe				
2	AS	EP 0 379 709	08/01/1990	Europe				
2	AT	59111533	06/27/1984	Japan				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
2	AU	Agarwal et al., "April: A Processor Architecture for Multiprocessing," Proceedings of the 17 th Annual International Symposium on Computer Architecture, IEEE, pp. 104-114.
2	AV	Byrd et al., "Multithread Processor Architectures," IEEE Spectrum, Vol. 32, No. 8, New York, 1 August 1995, pp. 38-46.
2	AW	Chang et al., "A New Mechanism For Improving Branch Predictor Performance," IEEE, pp. 22-31 (1994).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Mandatory)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date February 28, 2002	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
h	AX	Doyle et al., <i>Microsoft Press Computer Dictionary</i> , 2 nd ed., Microsoft Press, Redmond, Washington, USA, 1994, p. 326.
h	AY	Farkas et al., "The multicluster architecture: reducing cycle time through partitioning," IEEE, vol. 30, December 1997, pp. 149-159.
h	AZ	Fillo et al., "The M-Machine Multicomputer," IEEE Proceedings of MICRO-28, 1995, pp. 146-156.
h	AAA	Gomez et al., "Efficient Multithreaded User-Space Transport for Network Computing: Design and Test of the TRAP Protocol," <i>Journal of Parallel and Distributed Computing</i> , Academic Press, Duluth, Minnesota, USA, vol. 40, no. 1, 10 January 1997, pp. 103-117.
h	ABB	Haug et al., "Reconfigurable hardware as shared resource for parallel threads," IEEE Symposium on FPGAs for Custom Computing Machines, 1998.
h	ACC	Hauser et al., "Garp: a MIPS processor with a reconfigurable coprocessor," Proceedings of the 5 th Annual IEEE Symposium on Field-Programmable Custom Computing Machines, 1997.
h	ADD	Hennessy et al., "Complete Organization and Design: The Hardware/Software Interface," Morgan Kaufman Publishers, 1998, pp. 476-482.
h	AEE	Hyde, R., "Overview of Memory Management," <i>Byte</i> , vol. 13, no. 4, 1998, pp. 219-225.
h	AFF	Intel, "1A-64 Application Developer's Architecture Guide," Rev.1.0, May 1999, pp. 2-2, 4-29 to 4-31, 7-116 to 7-118 and c-21.
h	AGG	Keckler et al., "Exploiting fine grain thread level parallelism on the MIT multi-ALU processor," IEEE, June 1998.
h	AHH	Litch et al., "StrongARMing Portable Communications," IEEE Micro, 1998, pp. 48-55.
h	AII	Mendelson et al., "Design Alternatives of Multithreaded Architecture," <i>International Journal of Parallel Programming</i> , vol. 27, no. 3, Plenum Press, New York, USA, June 1999, pp. 161-193.
h	AJJ	Schmidt et al., "The Performance of Alternative Threading Architectures for Parallel Communication Subsystems," Internet Document, <i>Online</i> , 13 November 1998.
h	AKK	Thistle et al., "A Processor Architecture for Horizon," IEEE, 1998, pp. 35-41.
h	ALL	Tremblay et al., "A Three Dimensional Register File for Superscalar Processors," IEEE Proceedings of the 28 th Annual Hawaii International Conference on System Sciences, 1995, pp. 191-201.
h	AMM	Trimberger et al., "A time-multiplexed FPGA," Proceedings of the 5 th Annual IEEE Symposium on Field-Programmable Custom Computing Machines, 1998.
h	ANN	Turner et al., "Design of a High Performance Active Router," Internet Document, <i>Online</i> , 18 March 1999.
h	AOO	Vibhatavanij et al., "Simultaneous Multithreading-Based Routers," Proceedings of the 2000 International Conference of Parallel Processing, Toronto, Ontario, Canada, 21-24 August 2000, pp. 362-359.
h	APP	Wadler, "The Concatenate Vanishes," University of Glasgow, December 1987 (revised November 1989), pp. 1-7.
h	AQQ	Wazlowski et al., "PRSIM-II computer and architecture," IEEE Proceedings, Workshop on FPGAs for Custom Computing Machines, 1993.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

12/06/04

Title of Invention

BRANCH INSTRUCTION FOR PROCESSOR

Application Number : 10/070008



Confirmation Number: 5753

First Named Applicant: Gilbert Wolrich

Attorney Docket Number: 10559-311US1

Art Unit:

Examiner:

Search string: (6223238 or 6223279 or 6247025 or 6256713 or 6272616 or 6275505 or 6279113 or 6289011 or 6298370 or 6307789 or 6324624 or 6345334 or 6347344 or 6351808 or 6356962 or 6373848 or 6360262 or 6389449 or 6393483 or 6415338 or 6426940 or 6427196 or 6430626 or 6434145 or 6463072 or 6532509 or 6552826 or 6560667 or 6577542 or 6584522 or 6587906 or 6606704 or 6625654 or 6629237 or 6631430 or 6631462 or 6661794 or 6667920 or 6668317 or 6681300 or 6694380 or 4023023 or 5113516 or 5363448 or 5436626 or 5600812 or 5652583 or 5717760 or 4992934 or 5450603).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
g	1	6223238	2001-04-24	Meyer et al.			
g	2	6223279	2001-04-24	Nishimura et al.			
g	3	6247025	2001-06-12	Bacon			
g	4	6256713	2001-07-03	Audityan et al.			
g	5	6272616	2001-08-07	Fernando et al.			
g	6	6275505	2001-08-14	O Loughlin et al.			
g	7	6279113	2001-08-21	Vaidya			
g	8	6289011	2001-09-11	Seo et al.			
g	9	6298370	2001-10-02	Tang et al.			
g	10	6307789	2001-10-23	Wolrich et al.			
g	11	6324624	2001-11-27	Wolrich et al.			
g	12	6345334	2002-02-05	Nakagawa et al.			
g	13	6347344	2002-02-12	Baker et al.			
g	14	6351808	2002-02-26	Joy et al.			
g	15	6356962	2002-03-12	Kasper et al.			
g	16	6373848	2002-04-16	Allison et al.			
g	17	6360262	2002-03-19	Guenthner et al.			
g	18	6389449	2002-05-14	Nemirovsky et al.			

Don R. AT 12/06/04

12/06/04

19	6393483	2002-05-21	Latif et al.			
20	6415338	2002-07-02	Habot			
21	6426940	2002-07-30	Seo et al.			
22	6427196	2002-07-30	Adiletta et al.			
23	6430626	2002-08-06	Witkowski et al.			
24	6434145	2002-08-13	Opsasnick et al.			
25	6463072	2002-10-08	Wolrich et al.			
26	6532509	2003-03-11	Wolrich et al.			
27	6552826	2003-04-22	Adler et al.			
28	6560667	2003-05-06	Wolrich et al.			
29	6577542	2003-06-10	Wolrich et al.			
30	6584522	2003-06-24	Wolrich et al.			
31	6587906	2003-07-01	Wolrich et al.			
32	6606704	2003-08-12	Adiletta et al.			
33	6625654	2003-09-23	Wolrich et al.			
34	6629237	2003-09-30	Wolrich et al.			
35	6631430	2003-10-07	Wolrich et al.			
36	6631462	2003-10-07	Wolrich et al.			
37	6661794	2003-12-09	Wolrich et al.			
38	6667920	2003-12-23	Wolrich et al.			
39	6668317	2003-12-23	Bernstein et al.			
40	6681300	2004-01-20	Wolrich et al.			
41	6694380	2004-02-17	Wolrich et al.			
42	4023023	1977-05-10	Bourrez et al.			
43	5113516	1992-05-12	Johnson			
44	5363448	1994-11-08	Koopman Jr. et al.			
45	5436626	1995-07-25	Fijiwara			
46	5600812	1997-02-04	Park			
47	5652583	1997-07-29	Kang			
48	5717760	1998-02-10	Satterfield			
49	4992934	1991-02-12	Portanova et al.			
50	5450603	1995-09-12	Davies			

Signature


Examiner Name	Date
---------------	------

12/06/04

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	BRANCH INSTRUCTION FOR PROCESSOR						
Application Number :	10/070008						
Confirmation Number:	5753						
First Named Applicant:	Gilbert Wolrich						
Attorney Docket Number:	10559-311US1						
Art Unit:							
Examiner:							
Search string:	(5937187 or 5938736 or 5940612 or 5940866 or 5946487 or 5948081 or 5951679 or 5958031 or 5961628 or 5970013 or 5978838 or 5983274 or 5996068 or 6002881 or 6012151 or 6014729 or 6023742 or 6058168 or 6058465 or 6067585 or 6070231 or 6072781 or 6073215 or 6076158 or 6079008 or 6079014 or 6085215 or 6085294 or 6092127 or 6092158 or 6092175 or 6112016 or 6115811 or 6134665 or 6141689 or 6141765 or 6144669 or 6145054 or 6157955 or 6160562 or 6182177 or 6195676 or 6199133 or 6201807 or 6212542 or 6212611 or 6216220 or 6223207 or 6009505 or 6029228).pn						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
4	1	5937187	1999-08-10	Kosche et al.			
4	2	5938736	1999-08-17	Muller et al.			
4	3	5940612	1999-08-17	Brady et al.			
4	4	5940866	1999-08-17	Chisholm et al.			
4	5	5946487	1999-08-31	Dangelo			
4	6	5948081	1999-09-07	Foster			
4	7	5951679	1999-09-14	Anderson et al.			
4	8	5958031	1999-09-28	Kim			
4	9	5961628	1999-10-05	Nguyen et al.			
4	10	5970013	1999-10-19	Fischer et al.			
4	11	5978838	1999-11-02	Mohamed et al.			
4	12	5983274	1999-11-09	Hyder et al.			
4	13	5996068	1999-11-30	Dwyer III et al.			
4	14	6002881	1999-12-14	York et al.			
4	15	6012151	2000-01-04	Mano			
4	16	6014729	2000-01-11	Lannan et al.			
4	17	6023742	2000-02-08	Ebeling et al.			
4	18	6058168	2000-05-02	Braband			

[Handwritten signatures and marks at the bottom of the page]

12/06/04

19	6058465	2000-05-02	Nguyen			
20	6067585	2000-05-23	Hoang			
21	6070231	2000-05-30	Ottinger			
22	6072781	2000-06-06	Feeney et al.			
23	6073215	2000-06-06	Snyder			
24	6076158	2000-06-13	Sites et al.			
25	6079008	2000-06-20	Clery III			
26	6079014	2000-06-20	Papworth et al.			
27	6085215	2000-07-04	Ramakrishnan et al.			
28	6085294	2000-07-04	Van Doren et al.			
29	6092127	2000-07-18	Tausheck			
30	6092158	2000-07-18	Harriman et al.			
31	6092175	2000-07-18	Levy et al.			
32	6112016	2000-08-29	MacWilliams et al.			
33	6115811	2000-09-05	Steele Jr.			
34	6134665	2000-10-17	Klein et al.			
35	6141689	2000-10-31	Yasrebi			
36	6141765	2000-10-31	Sherman			
37	6144669	2000-11-07	Williams et al.			
38	6145054	2000-11-07	Mehrotra et al.			
39	6157955	2000-12-05	Narad et al.			
40	6160562	2000-12-12	Chin et al.			
41	6182177	2001-01-30	Harriman			
42	6195676	2001-02-27	Spix et al.			
43	6199133	2001-03-06	Schnell			
44	6201807	2001-03-18	Prasanna			
45	6212542	2001-04-03	Kahle et al.			
46	6212611	2001-04-03	Nizar et al.			
47	6216220	2001-04-10	Hwang			
48	6223207	2001-04-24	Lucovsky et al.			
49	6009505	1999-12-28	Thayer et al.			
50	6029228	2000-02-22	Cai et al.			

Signature

Examiner Name	Date
---------------	------

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

12/06/08

Title of Invention

BRANCH INSTRUCTION FOR PROCESSOR

Application Number : 10/070008
Confirmation Number: 5753
First Named Applicant: Gilbert Wolrich
Attorney Docket Number: 10559-311US1



Art Unit:

Examiner:

Search string: (5568617 or 5574922 or 5574939 or 5592622 or 5606676 or 5613071 or 5613136 or 5623489 or 5627829 or 5630130 or 5644623 or 5649157 or 5659722 or 5680641 or 5689566 or 5692167 or 5699537 or 5717898 or 5721870 or 5742587 or 5742782 or 5742822 or 5745913 or 5751987 or 5761507 or 5761522 or 5781774 or 5784649 or 5784712 or 5796413 or 5797043 or 5809235 or 5809530 or 5812839 or 5812868 or 5828746 or 5828863 or 5832215 or 5835755 or 5854922 or 5860158 or 5886992 or 5887134 or 5890208 or 5892979 or 5905876 or 5905889 or 5915123 or 5933627 or 5659687).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
5	1	5568617	1996-10-22	Kametani			
5	2	5574922	1996-11-12	James			
5	3	5574939	1996-11-12	Keckler et al.			
5	4	5592622	1997-01-07	Isfeld et al.			
5	5	5606676	1997-02-25	Grochowski et al.			
5	6	5613071	1997-03-18	Rankin et al.			
5	7	5613136	1997-03-18	Casavant et al.			
5	8	5623489	1997-04-22	Cotton et al.			
5	9	5627829	1997-05-06	Gleeson et al.			
5	10	5630130	1997-05-13	Perotto et al.			
5	11	5644623	1997-07-01	Gulledge			
5	12	5649157	1997-07-15	Williams			
5	13	5659722	1997-08-19	Blaner et al.			
5	14	5680641	1997-10-21	Sidman			
5	15	5689566	1997-11-18	Nguyen			
5	16	5692167	1997-11-25	Grochowski et al.			
5	17	5699537	1997-12-16	Sharangpani et al.			

12/06/08

12/06/04

18	5717898	1998-02-10	Kagan et al.			
19	5721870	1998-02-24	Matsumoto			
20	5742587	1998-04-21	Zornig et al.			
21	5742782	1998-04-21	Ito et al.			
22	5742822	1998-04-21	Motomura			
23	5745913	1998-04-28	Pattin et al.			
24	5751987	1998-04-12	Mahant Shetti et al.			
25	5761507	1998-06-02	Govett			
26	5761522	1998-06-02	Hisanaga et al.			
27	5781774	1998-07-14	Krick			
28	5784649	1998-07-21	Begur et al.			
29	5784712	1998-07-21	Byers et al.			
30	5796413	1998-08-18	Shipp et al.			
31	5797043	1998-08-18	Lewis et al.			
32	5809235	1998-09-15	Sharma et al.			
33	5809530	1998-09-15	Samra et al.			
34	5812839	1998-09-22	Hoyt et al.			
35	5812868	1998-09-22	Moyer et al.			
36	5828746	1998-10-27	Ardon			
37	5828863	1998-10-27	Barrett et al.			
38	5832215	1998-11-03	Kato et al.			
39	5835755	1998-11-10	Stellwagen Jr.			
40	5854922	1998-12-29	Gravenstein et al.			
41	5860158	1999-01-12	Pai et al.			
42	5886992	1999-03-23	Raatikainen et al.			
43	5887134	1999-03-23	Ebrahim			
44	5890208	1999-03-30	Kwon			
45	5892979	1999-04-06	Shiraki et al.			
46	5905876	1999-05-18	Pawlowski et al.			
47	5905889	1999-05-18	Wilhelm Jr.			
48	5915123	1999-06-22	Mirsky et al.			
49	5933627	1999-08-03	Parady			
50	5659687	1997-08-19	Kim et al.			

Signature

Examiner Name	Date

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

BRANCH INSTRUCTION FOR PROCESSOR

Application Number : 10/070008
Confirmation Number: 5753
First Named Applicant: Gilbert Wolrich
Attorney Docket Number: 10559-311US1
Art Unit:
Examiner:



12/06/07

Search string: (3373408 or 3478322 or 3792441 or 3913074 or 3940745 or 4130890 or 4392758 or 4400770 or 4514807 or 4523272 or 4724521 or 4745544 or 4777587 or 4866664 or 5073864 or 5140685 or 5142683 or 5155831 or 5155854 or 5168555 or 5173897 or 5255239 or 5263169 or 5347648 or 5357617 or 5367678 or 5390329 or 5392391 or 5392411 or 5392412 or 5404464 or 5404482 or 5428809 or 5432918 or 5442756 or 5448702 or 5450351 or 5452437 or 5459842 or 5463625 or 5467452 or 5481683 or 5487159 or 5517628 or 5517648 or 5542070 or 5542088 or 5544236 or 5550816 or 5557766 or 20020053017 or 20020056037 or 20030041228 or 20030145159 or 20030191866 or 20040039895 or 20040054880 or 20040071152 or 20040073728 or 20040073778 or 20040098496 or 20040109369 or 20040205747).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	1	3373408	1968-03-12	Ling			
2	2	3478322	1969-11-11	Evans			
3	3	3792441	1974-02-12	Wymore et al.			
4	4	3913074	1975-10-14	Homberg et al.			
5	5	3940745	1976-02-24	Sajeva			
6	6	4130890	1978-12-19	Adam			
7	7	4392758	1983-07-12	Bowles et al.			
8	8	4400770	1983-08-23	Chan et al.			
9	9	4514807	1985-04-30	Nogi			
10	10	4523272	1985-06-11	Fukunaga et al.			
11	11	4724521	1988-02-09	Carron et al.			
12	12	4745544	1988-05-17	Renner et al.			
13	13	4777587	1988-10-11	Case et al.			
14	14	4866664	1989-09-12	Burkhardt Jr. et al.			
15	15	5073864	1991-12-17	Methvin et al.			
16	16	5140685	1992-08-18	Sipple et al.			

2406/08

17	5142683	1992-08-25	Burkhardt Jr. et al.			
18	5155831	1992-10-13	Emma et al.			
19	5155854	1992-10-13	Flynn et al.			
20	5168555	1992-12-01	Byers et al.			
21	5173897	1992-12-22	Schrodi et al.			
22	5255239	1993-10-19	Taborn et al.			
23	5263169	1993-11-16	Genusov et al.			
24	5347648	1994-09-13	Stamm et al.			
25	5357617	1994-10-18	Davis et al.			
26	5367678	1994-11-22	Lee et al.			
27	5390329	1995-02-14	Gaertner et al.			
28	5392391	1995-02-21	Caulk Jr. et al.			
29	5392411	1995-02-21	Ozaki			
30	5392412	1995-02-21	McKenna			
31	5404464	1995-04-04	Bennett			
32	5404482	1995-04-04	Stamm et al.			
33	5428809	1995-06-27	Coffin et al.			
34	5432918	1995-07-11	Stamm			
35	5442756	1995-08-15	Grochowski et al.			
36	5448702	1995-09-05	Garcia Jr. et al.			
37	5450351	1995-09-12	Heddes			
38	5452437	1995-09-19	Richey et al.			
39	5459842	1995-10-17	Begun et al.			
40	5463625	1995-10-31	Yasrebi			
41	5467452	1995-11-14	Blum et al.			
42	5481683	1996-01-02	Karim			
43	5487159	1996-01-23	Byers et al.			
44	5517628	1996-05-14	Morrison et al.			
45	5517648	1996-05-14	Bertone et al.			
46	5542070	1996-07-30	LeBlanc et al.			
47	5542088	1996-07-30	Jennings Jr. et al.			
48	5544236	1996-08-06	Andruska et al.			
49	5550816	1996-08-27	Hardwick et al.			
50	5557766	1996-09-17	Takiguchi et al.			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
5	1	20020053017	2002-05-02	Adiletta et al.			
2	2	20020056037	2002-05-09	Wolrich et al.			
3	3	20030041228	2003-02-27	Rosenbluth et al.			
4	4	20030145159	2003-07-31	Adiletta et al.			
5	5	20030191866	2003-10-09	Wolrich et al.			

2406/08

12/06/08 Y

6	20040039895	2004-02-26	Wolrich et al.			
7	20040054880	2004-03-18	Bernstein et al.			
8	20040071152	2004-04-15	Wolrich et al.			
9	20040073728	2004-04-15	Wolrich et al.			
10	20040073778	2004-04-15	Adiletta et al.			
11	20040098496	2004-05-20	Wolrich et al.			
12	20040109369	2004-06-10	Wolrich et al.			
13	20040205747	2004-10-14	Bernstein et al.			

Signature

Examiner Name	Date

03/07/02

Sheet 1 of 5

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date July 3, 2002	Group Art Unit 2183

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
S	AA	2002/0038403	03/2002	Wolrich et al.			
	AB	3,577,189	05/1971	Cocke et al.			
	AC	3,881,173	04/1975	Larsen et al.			
	AD	4,454,595	06/1984	Cage			
	AE	4,471,426	09/1984	McDonough			
	AF	4,477,872	10/1984	Losq et al.			
	AG	4,569,016	02/1986	Hao et al.			
	AH	4,755,966	07/1988	Lee et al.			
	AI	4,808,988	02/1989	Burke et al.			
	AJ	4,816,913	03/1989	Harney et al.			
	AK	4,847,755	07/1989	Morrison et al.			
	AL	4,868,735	09/1989	Moller et al.			
	AM	5,045,995	09/1991	Levinthal et al.			
	AN	5,056,015	10/1991	Baldwin et al.			
	AO	5,170,484	12/1992	Grondalski			
	AP	5,187,800	02/1993	Sutherland			
	AQ	5,189,636	02/1993	Patti et al.			
	AR	5,202,972	04/1993	Gusefski et al.			
	AS	5,220,669	06/1993	Baum et al.			
	AT	5,247,671	09/1993	Adkins et al.			
AU	5,428,779	06/1995	Allegrucci et al.				
AV	5,509,130	04/1996	Trauben et al.				
AW	5,541,920	07/1996	Angle et al.				
AX	5,544,337	08/1996	Beard et al.				
AY	5,572,690	11/1996	Molnar et al.				
AZ	5,600,848	02/1997	Sproull et al.				
BA	5,610,864	03/1997	Manning				

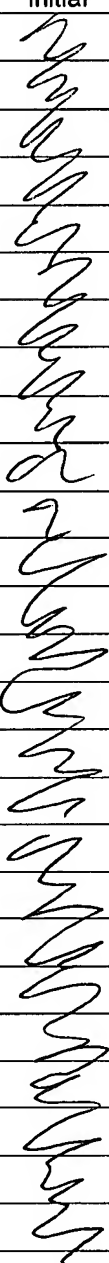
Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

03/07/08

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
		Applicant Gilbert Wolrich et al.	
		Filing Date July 3, 2002	Group Art Unit 2183

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BB	5,669,012	09/1997	Shimizu et al.			
	BC	5,680,564	10/1997	Divivier et al.			
	BD	5,748,950	05/1998	White et al.			
	BE	5,802,373	09/1998	Yates et al.			
	BF	5,812,811	09/1998	Dubey et al.			
	BG	5,815,698	09/1998	Holmann et al.			
	BH	5,815,714	09/1998	Shridhar et al.			
	BI	5,819,080	10/1998	Dutton et al.			
	BJ	5,832,258	11/1998	Kiuchi et al.			
	BK	5,838,975	11/1998	Abramson et al.			
	BL	5,848,276	12/1998	King et al.			
	BM	5,857,104	01/1999	Natarjan et al.			
	BN	5,870,597	02/1999	Panwar et al.			
	BO	5,872,963	02/1999	Bitar et al.			
	BP	5,875,470	02/1999	Dreibelbis et al.			
	BQ	5,898,866	04/1999	Atkins et al.			
	BR	5,900,025	05/1999	Sollars			
	BS	5,926,646	07/1999	Pickett et al.			
	BT	5,937,177	08/1999	Molnar et al.			
	BU	5,943,491	08/1999	Sutherland et al.			
BV	5,944,816	08/1999	Dutton et al.				
BW	5,946,222	08/1999	Redford				
BX	5,956,514	09/1999	Wen et al.				
BY	5,993,627	11/1999	Anderson et al.				
BZ	6,005,575	12/1999	Colleran et al.				
CA	6,061,710	05/2000	Eickemeyer et al.				
CB	6,061,711	05/2000	Song et al.				

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

08/17/07

Sheet 3 of 5

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date July 3, 2002	Group Art Unit 2183

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	CC	6,101,599	08/2000	Wright et al.			
	CD	6,115,777	09/2000	Zahir et al.			
	CE	6,139,199	10/2000	Rodriguez			
	CF	6,141,348	10/2000	Muntz			
	CG	6,145,123	11/2000	Torrey et al.			
	CH	6,157,988	12/2000	Dowling			
	CI	6,195,739	02/2001	Wright et al.			
	CJ	6,205,468	03/2001	Diepstraten et al.			
	CK	6,223,208	04/2001	Kiefer et al.			
	CL	6,223,277	04/2001	Karguth			
	CM	6,230,119	05/2001	Mitchell			
	CN	6,230,230	05/2001	Joy et al.			
	CO	6,230,261	05/2001	Henry et al.			
	CP	6,259,699	07/2001	Opalka et al.			
	CQ	6,269,391	07/2001	Gillespie			
	CR	6,275,508	08/2001	Aggarwal et al.			
	CS	6,279,066	08/2001	Velingker			
	CT	6,314,510	11/2001	Saulsbury et al.			
	CU	6,338,133	01/2002	Schroter			
	CV	6,378,124	04/2002	Bates et al.			
	CW	6,378,125	04/2002	Bates et al.			
	CX	6,385,720	05/2002	Tanaka et al.			
	CY	6,401,155	06/2002	Saville et al.			
	CZ	6,408,325	06/2002	Shaylor			
	DA	6,446,190	09/2002	Barry et al.			
	DB	6,496,847	12/2002	Bugnion et al.			
	DC	6,505,229	01/2003	Turner et al.			

Examiner Signature 	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

83/87/87

Sheet 4 of 5

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date July 3, 2002	Group Art Unit 2183

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	DD	6,523,108	02/2003	James et al.			
	DE	6,543,049	04/2003	Bates et al.			
	DF	6,560,629	05/2003	Harris			
	DG	6,560,671	05/2003	Samra et al.			
	DH	6,564,316	05/2003	Perets et al.			
	DI	6,574,702	06/2003	Khanna et al.			
	DJ	6,697,935	02/2004	Borkenhagen et al.			
	DK	6,862,676	03/2005	Knapp et al.			
	DL	6,976,095	12/2005	Wolrich et al.			
	DM	6,983,350	01/2006	Adiletta et al.			
	DN	7,020,871	03/2006	Bernstein et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	DO	0 130 381	01/1985	Europe				
	DP	0 463 855	01/1992	Europe				
	DQ	0 476 628	03/1992	Europe				
	DR	0 696 772	02/1996	Europe				
	DS	WO03/019399	03/2003	WIPO				
	DT	WO03/085517	10/2003	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	DU	"HART, Field Communications Protocol, Application Guide", Hart Communication Foundation, pp. 1-74, (1999).
	DV	Bowden, Romilly, "What is HART?" Romilly's HART® and Fieldbus Web Site, 3 pages, (1997). <URL: http://www.romilly.co.uk/whathart.htm >
	DW	Cheng, et al., "The Compiler for Supporting Multithreading in Cyclic Register Windows", IEEE, pp. 57-62, (1996).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)





03/87/87

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
	Applicant Gilbert Wolrich et al.		
	Filing Date July 3, 2002	Group Art Unit 2183	


Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
E	DX	Hennessy et al., <i>Computer Organization and Design: The Hardware/Software Interface</i> , Morgan Kaufman Publishers, pp. 116-119, 181-182, 225-227, 447-449, 466-470, 476-482, 510-519, 712, (1998).
L	DY	Heuring et al., <i>Computer Systems Design and Architecture</i> , Reading, MA, Addison Wesley Longman, Inc., pp. 174-176 and 200, (1997).
H	DZ	Heuring et al., <i>Computer Systems Design and Architecture</i> , Reading, MA, Addison Wesley Longman, Inc., pp. 38-40, 143-171, and 285-288, (1997).
W	EA	Hidaka, Y., et al., "Multiple Threads in Cyclic Register Windows", <i>Computer Architecture News</i> , ACM, New York, NY, USA, 21(2):131-142, May 1993.
H	EB	Hirata, H., et al., "An Elementary Processor Architecture with Simultaneous Instruction Issuing from Multiple Threads", <i>Proc. 19th Annual International Symposium on Computer Architecture, ACM & IEEE-CS</i> , 20(2):136-145, May 1992.
7	EC	Intel, "1A-64 Application Developer's Architecture Guide," Rev.1.0, pp. 2-2, 2-3, 3-1, 7-165, C-4, and C-23, May 1999.
9	ED	Jung, G., et al., "Flexible Register Window Structure for Multi-Tasking", <i>Proc. 24th Annual Hawaii International Conference on System Sciences</i> , vol. 1, pp. 110-116, (1991).
9	EE	Koch, G., et al., "Breakpoints and Breakpoint Detection in Source Level Emulation", <i>Proc. 19th International Symposium on System Synthesis (ISSS '96), IEEE</i> , pp. 26-31 (1996).
9	EF	Moors, et al., "Cascading Content-Addressable Memories", <i>IEEE Micro</i> , 12(3):56-66 (1992).
9	EG	Okamoto, K., et al., "Multithread Execution Mechanisms on RICA-1 for Massively Parallel Computation", <i>IEEE - Proc. Of PACT '96</i> , pp. 116-121 (1996).
9	EH	Patterson, et al., <i>Computer Architecture A Quantitative Approach</i> , 2nd Ed., Morgan Kaufmann Publishers, Inc., pp. 447-449, (1996).
9	EI	Paver, et al., "Register Locking in an Asynchronous Microprocessor", <i>IEEE</i> , pp. 351-355, (1992).
9	EJ	Philips ED - Philips Components: "8051 Based 8 Bit Microcontrollers, Data Handbook Integrated Circuits, Book IC20", 8051 Based 8 Bit Microcontrollers, Eindhoven, Philips, NL, pp. 5-19 (1991).
9	EK	Probst et al., "Programming, Compiling and Executing Partially-Ordered Instruction Streams on Scalable Shared-Memory Multiprocessors", <i>Proceedings of the 27th Annual Hawaiian International Conference on System Sciences, IEEE</i> , pp. 584-593, (1994).
9	EL	Quammen, D., et al., "Flexible Register Management for Sequential Programs", <i>IEEE Proc. of the Annual International Symposium on Computer Architecture</i> , Toronto, May 27-30, 1991, vol. SYMP. 18, pp. 320-329.
9	EM	Ramsey, N., "Correctness of Trap-Based Breakpoint Implementations", <i>Proc. of the 21st ACM Symposium on the Principles of Programming Languages</i> , pp. 15-24 (1994).
9	EN	Steven, G.B., et al., "ALU design and processor branch architecture", <i>Microprocessing and Microprogramming</i> , 36(5):259-278, October 1993.
E	EO	Young, H.C., "Code Scheduling Methods for Some Architectural Features in Pipe", <i>Microprocessing and Microprogramming</i> , Elsevier Science Publishers, Amsterdam, NL, 22(1):39-63, January 1988.
W	EP	Young, H.C., "On Instruction and Data Prefetch Mechanisms", <i>International Symposium on VLSI Technology, Systems and Applications, Proc. of Technical Papers</i> , pp. 239-246, (1995).

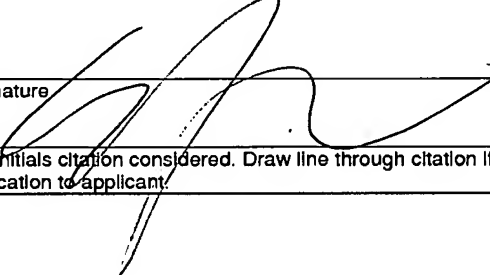
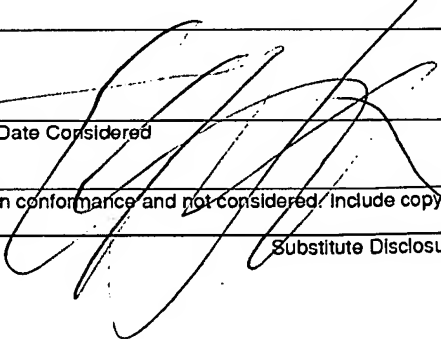
Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-311US1	Application No. 10/070,008
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date July 3, 2002	Group Art Unit 2183

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,860,085	01/1999	Stormon et al.			
	AB	6,052,769	04/2000	Huff et al.			
	AC	6,934,951	08/2005	Wilkinson, III et al.			
	AD	7,181,594	02/2007	Wilkinson, III et al.			
	AE	7,191,309	03/2007	Wolrich et al.			
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	Heuring et al., <i>Computer Systems Design and Architecture</i> , Reading, MA, Addison Wesley Longman, Inc., pp. 69-71, (1997).
	AR	
	AS	
	AT	

Examiner Signature 	Date Considered 
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	